

Reversing Words with options :

PROGRAM :

```
import java.util.*;
public class revopt {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter the text :");
        String text=sc.nextLine();
        System.out.print("Enter the option :");
        int option=sc.nextInt();
        String []arr=text.split(" ");
        String text1="";
        for(int i=0;i<arr.length;i++){
            StringBuffer str=new StringBuffer(arr[i]);
            text1+=str.reverse().toString()+" ";
        }
        if(option==0){
            System.out.print(text1);
        }
        else if(option==1){
            String txt2="";
            for(int i=0;i<text.length();i++){
                if(Character.isUpperCase(text.charAt(i))){
                    txt2+=Character.toUpperCase(text1.charAt(i));
                }
                else{
                    txt2+=Character.toLowerCase(text1.charAt(i));
                }
            }
            System.out.println(txt2);
        }
        else if(option==2){
            String txt3="";
            for(int i=0;i<text.length();i++){
                if(Character.isUpperCase(text1.charAt(i))){
                    txt3+=Character.toLowerCase(text1.charAt(i));
                }
                else{
                    txt3+=Character.toUpperCase(text1.charAt(i));
                }
            }
            System.out.println(txt3);
        }
    }
}
```

OUTPUT :

The screenshot displays an IDE window titled "IdeaProjects - revopt.java [java]". The left sidebar shows a project structure with a "src" folder containing several Java files, including "revopt.java". The main editor area shows the code for "revopt.java", which is a public class that takes a string and an option as input and returns a modified string. The code uses a loop to iterate over the characters of the input string and applies either a lowercase or uppercase transformation based on the option. The output of the program is shown in the "Run" tab at the bottom, which displays the command prompt output: "Enter the text : sapra Technologies bangalore", "Enter the option : 1", and "Orpiw Seigolonhcet Erolagnab". The process finished with exit code 0.

```
public class revopt {  
    public static String reverse(String text, int option) {  
        String txt2 = "";  
        for (int i = 0; i < text.length(); i++) {  
            if (Character.isUpperCase(text.charAt(i))) {  
                txt2 += Character.toLowerCase(text.charAt(i));  
            } else {  
                txt2 += Character.toUpperCase(text.charAt(i));  
            }  
        }  
        System.out.println(txt2);  
        return txt2;  
    }  
    public static String reverse2(String text, int option) {  
        String txt3 = "";  
        for (int i = 0; i < text.length(); i++) {  
            if (Character.isLowerCase(text.charAt(i))) {  
                txt3 += Character.toUpperCase(text.charAt(i));  
            } else {  
                txt3 += Character.toLowerCase(text.charAt(i));  
            }  
        }  
        System.out.println(txt3);  
        return txt3;  
    }  
}
```

Run: RomanLetter < revopt <
"C:\Program Files\Java\jdk1.8.0_131\bin\java.exe" ...
Enter the text : sapra Technologies bangalore
Enter the option : 1
Orpiw Seigolonhcet Erolagnab
Process finished with exit code 0